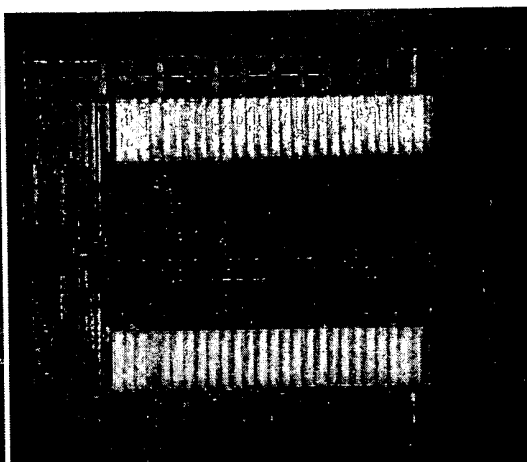
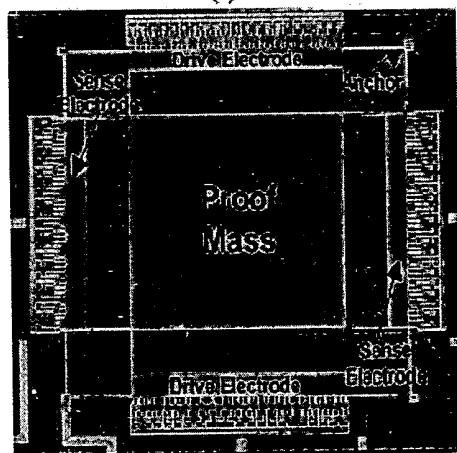


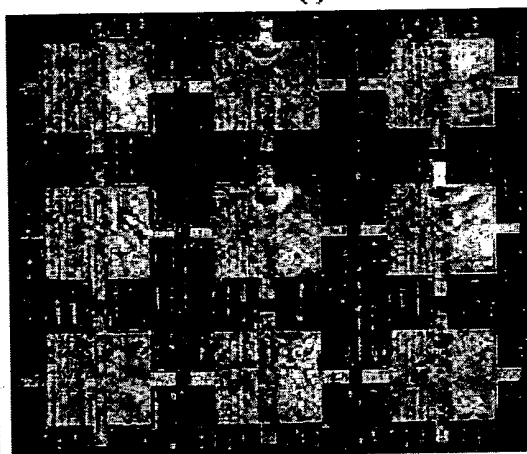
(a)



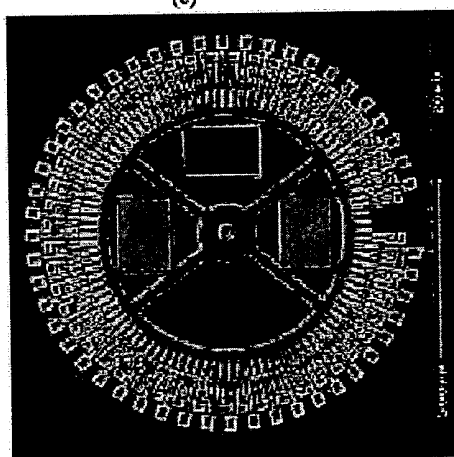
(b)



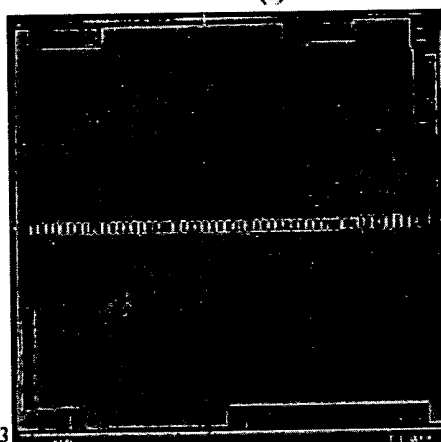
(c)



(d)



(e)



(f)

FIG. 1

FIG. 2

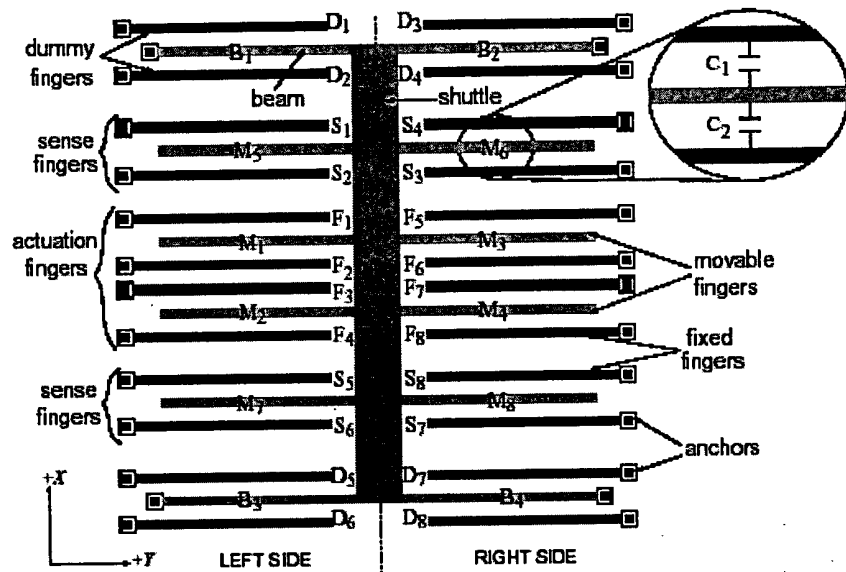


FIG. 3

Applied voltage	Normal operation	Self-test operation
V_{act}	-	F_1, F_3, F_5, F_7
V_{sens}	$F_1 - F_8$ $M_1 - M_4$ $D_1 - D_8$ $B_1 - B_4$	F_2, F_4, F_6, F_8 $M_1 - M_4$ $D_5 - D_8$
V_{onp}	S_1, S_3, S_5, S_7	S_1, S_4, S_5, S_8 D_1, D_3
V_{rev}	S_2, S_4, S_6, S_8	S_2, S_3, S_6, S_7 D_2, D_4

FIG. 4

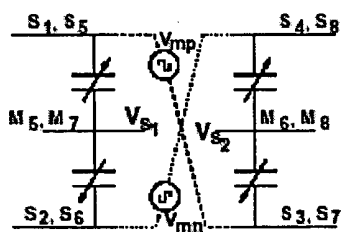
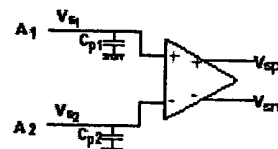
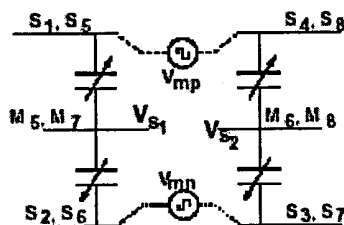
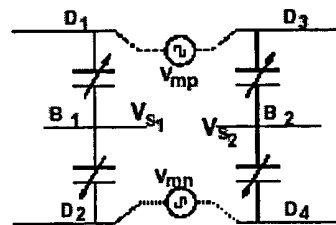


FIG. 5 (a)



5 (b)



5 (c)

FIG. 6

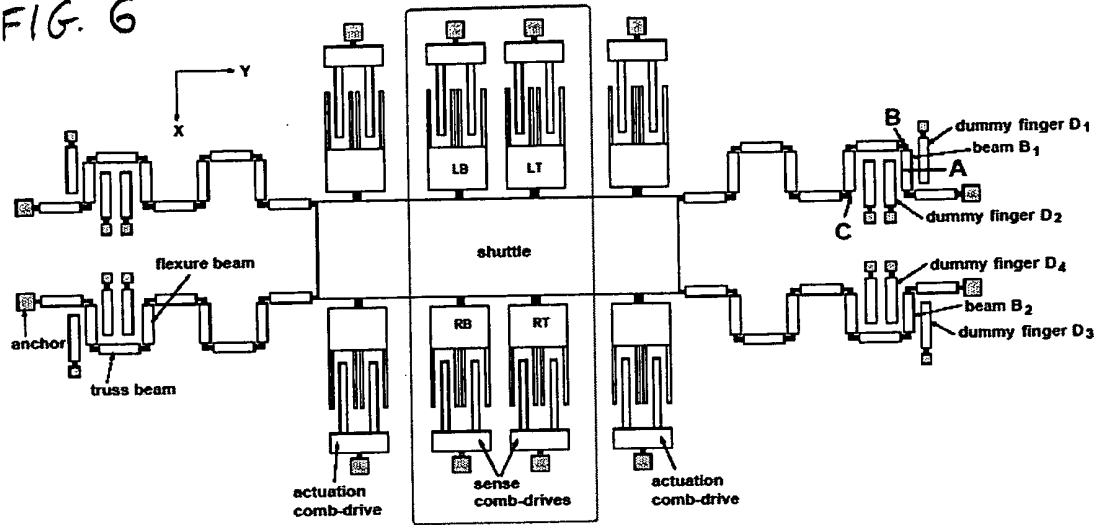


FIG. 7

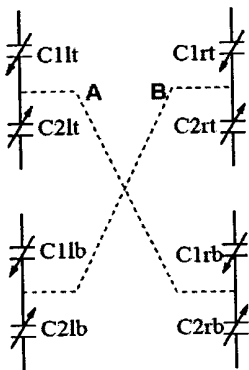


FIG. 8

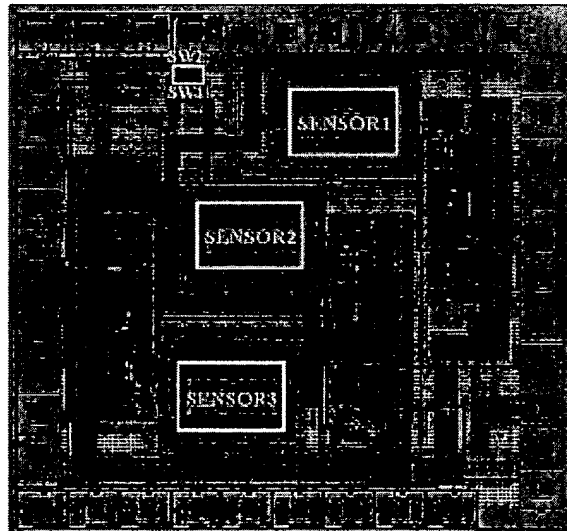


FIG. 9

